

# **EXHIBIT A**

# **Data Wizard Feature Specification**

**Document Number:** CI21-FSDWiz

**Revision Level:** 2

**Release Date:** 1/19/00

**Document Author:** Mark Brassil

**Project:** Cool ICE 2.1 Data Wizard

**Document Path:** \RV-THOR\Cool-ICE\2.1\Specifications\DataWizard\ApprovedCopy\CI21-FSDWizRev2.doc

**Document Filename:** CI21-FSDWizRev2.doc

<b>1. REQUIREMENTS .....</b>	<b>3</b>
1.1 <b>REQUIREMENTS LIST.....</b>	<b>3</b>
1.2 <b>SOURCE.....</b>	<b>3</b>
1.3 <b>REQUESTED FUNCTIONALITY.....</b>	<b>3</b>
1.4 <b>REFERENCE DOCUMENTS.....</b>	<b>3</b>
<b>2. HIGH LEVEL DESIGN .....</b>	<b>3</b>
2.1 <b>FUNCTIONAL DESCRIPTION .....</b>	<b>3</b>
2.1.1 <i>Normal Response and Error Resolution.....</i>	<i>3</i>
2.1.2 <i>Stepwise Editable and Easily Extendable.....</i>	<i>3</i>
2.1.3 <i>Component Builder.....</i>	<i>3</i>
2.1.4 <i>New Component Definition Format .....</i>	<i>3</i>
2.1.5 <i>Column Reference by Name (not by position).....</i>	<i>3</i>
2.1.6 <i>Full use of SQL Database Engine .....</i>	<i>3</i>
2.1.7 <i>Dependencies .....</i>	<i>3</i>
2.1.8 <i>Migration.....</i>	<i>3</i>
2.2 <b>TASK ESTIMATE.....</b>	<b>3</b>
2.2.1 <i>Available Time Estimates .....</i>	<i>3</i>
2.2.2 <i>Resource Assignments .....</i>	<i>3</i>
2.2.3 <i>Task Estimates .....</i>	<i>3</i>
<b>3. DESIGN .....</b>	<b>3</b>
3.1 <b>DESIGN OVERVIEW .....</b>	<b>3</b>
3.1.1 <i>Basic compatibility upgrades .....</i>	<i>3</i>
3.1.2 <i>Transaction Component in 2 Parts (Selection &amp; Action).....</i>	<i>3</i>
3.1.3 <i>Building a Component.....</i>	<i>3</i>
3.1.4 <i>Data Wizard Tables.....</i>	<i>3</i>
3.1.5 <i>Step Editing Inputs .....</i>	<i>3</i>
3.1.6 <i>Component Step Command Capability.....</i>	<i>3</i>
3.1.7 <i>Dynamic Cool ICE Service vs. ASP Data Service.....</i>	<i>3</i>
3.2 <b>DETAIL DESIGN.....</b>	<b>3</b>
3.2.1 <i>Resource assignment .....</i>	<i>3</i>
3.2.2 <i>Data Wizard General .....</i>	<i>3</i>
3.2.3 <i>Component Builder (CB).....</i>	<i>3</i>
3.2.4 <i>Select Source (1 of 5) Identify Tables.....</i>	<i>3</i>
3.2.5 <i>Select Source (2 of 5) Identify Columns .....</i>	<i>3</i>
3.2.6 <i>Select Source (3 of 5) Identify (Where) Conditions .....</i>	<i>3</i>
3.2.7 <i>Select Source (4 of 5) Identify the Order of the Record Set.....</i>	<i>3</i>
3.2.8 <i>Select Source (5 of 5) Identify Advanced Where Clause .....</i>	<i>3</i>
3.2.9 <i>Calculate .....</i>	<i>3</i>
3.2.10 <i>Analyze .....</i>	<i>3</i>
3.2.11 <i>Sort .....</i>	<i>3</i>
3.2.12 <i>Column Control .....</i>	<i>3</i>
3.2.13 <i>Partial Column Control .....</i>	<i>3</i>
3.2.14 <i>Insert Setup .....</i>	<i>3</i>
3.2.15 <i>Insert Record .....</i>	<i>3</i>
3.2.16 <i>Update Setup .....</i>	<i>3</i>
3.2.17 <i>Update Record .....</i>	<i>3</i>
3.2.18 <i>Delete Setup .....</i>	<i>3</i>
3.2.19 <i>Delete Record .....</i>	<i>3</i>
3.2.20 <i>Specify Variables (WebInputs) .....</i>	<i>3</i>
3.2.21 <i>Output Form .....</i>	<i>3</i>
3.2.22 <i>Output Grid .....</i>	<i>3</i>

3.2.23	<i>Output Graph</i> .....	3
3.2.24	<i>Edit Comment</i> .....	3
3.2.25	<i>Preview screens (CBPreviewForm, CBPreviewGrid, CBPreviewGraf, CBPreviewText)</i> .....	3
3.2.26	<i>Security Profiles</i> .....	3
3.2.27	<i>Component Finish Part1</i> .....	3
3.2.28	<i>Component Finish Part2</i> .....	3
3.2.29	<i>Working models</i> .....	3
3.2.30	<i>Compatibility</i> .....	3
3.2.31	<i>Limitations</i> .....	3
3.2.32	<i>Performance Expectations</i> .....	3
3.2.33	<i>Restrictions</i> .....	3
3.2.34	<i>Future Considerations</i> .....	3
3.2.35	<i>Feature Deployment Instructions</i> .....	3
3.2.36	<i>Units Test plan including execution details</i> .....	3
3.2.37	<i>Supporting software</i> .....	3
3.2.38	<i>Configuration Requirements</i> .....	3
3.2.39	<i>Test Considerations</i> .....	3
3.2.40	<i>Design Notes</i> .....	3
3.3	DOCUMENTATION .....	3
3.3.1	<i>Getting Started</i> .....	3
3.3.2	<i>Installation</i> .....	3
3.3.3	<i>Technical Overview</i> .....	3
3.3.4	<i>Administration</i> .....	3
3.3.5	<i>User Guide</i> .....	3
3.3.6	<i>Application Development Guide</i> .....	3
3.3.7	<i>Help</i> .....	3
3.3.8	<i>Software Release Announcement</i> .....	3
3.3.9	<i>Other documentation</i> .....	3
3.4	DESIGN BRIEFING .....	3
3.5	DESIGN INSPECTION .....	3
4.	INTEGRATION .....	3
4.1	MODULES .....	3
4.2	CODE BRIEFING .....	3
4.3	CODE INSPECTION .....	3
4.4	INTEGRATION NOTES .....	3
5.	FEATURE SPECIFICATION STATUS .....	3
6.	USER INTERFACE .....	3
6.1	INTRODUCING THE DATA WIZARD .....	3
6.2	USER INTERFACE FLOW .....	3
6.3	STYLE CONSIDERATIONS .....	3
6.4	CONTROLS .....	3
6.4.1	<i>Screen Buttons</i> .....	3
6.4.2	<i>Screen Icons</i> .....	3
6.5	SCREEN DETAILS .....	3
6.5.1	<i>Data Wizard Home Page (DataWizardHome)</i> .....	3
6.5.2	<i>Creating a New Application component (NewCom CBMain)</i> .....	3
6.5.3	<i>Editing an Existing Application Component (NewCom CBMain)</i> .....	3
6.5.4	<i>Executing an Application Component (NewCom)</i> .....	3
6.5.5	<i>Adding a Security Profile to an Application Component (NewComCreateSecurity)</i> .....	3
6.5.6	<i>Deleting a Application component (NewCom)</i> .....	3
6.5.7	<i>Building a Application component (CBMain)</i> .....	3
6.5.8	<i>Selecting a Data Source</i> .....	3
6.5.9	<i>Selecting Columns (SelectColumn)</i> .....	3

6.5.10	<i>Setting Where Conditions (SelectWhere)</i> .....	3
6.5.11	<i>Setting Where Conditions for Advanced Users (SelectAWhere)</i> .....	3
6.5.12	<i>Selecting the Order of Data in Columns (SelectOrder).....</i>	3
6.5.13	<i>Adding and Display Columns (ColumnCtrl) .....</i>	3
6.5.14	<i>Specifying Partial Columns Display (PartialFld).....</i>	3
6.5.15	<i>Performing Calculations (Calculate).....</i>	3
6.5.16	<i>Analyzing Data (Analyze).....</i>	3
6.5.17	<i>Sorting Records (SortEdit) .....</i>	3
6.5.18	<i>Updating a Record .....</i>	3
6.5.19	<i>Deleting a Record (SetupDelete).....</i>	3
6.5.20	<i>Inserting a Record (SetupInsert) .....</i>	3
6.5.21	<i>Creating and Editing Variables.....</i>	3
6.5.22	<i>Specifying Form Appearance (OutputForm).....</i>	3
6.5.23	<i>Specifying Table Appearance (OutputGrid).....</i>	3
6.5.24	<i>Creating Graphs (OutputGraph).....</i>	3
6.5.25	<i>Viewing the Completed Application component (SaveCom) .....</i>	3
6.5.26	<i>Saving the Completed Application Component (CBFinal).....</i>	3
<b>7.</b>	<b>INTEGRATION.....</b>	<b>3</b>
7.1	MODULES.....	3
7.2	CODE BRIEFING.....	3
7.3	CODE INSPECTION.....	3
7.4	INTEGRATION NOTES.....	3
<b>8.</b>	<b>FEATURE SPECIFICATION STATUS.....</b>	<b>3</b>
<b>9.</b>	<b>REVISION HISTORY.....</b>	<b>3</b>

# 1. Requirements

## 1.1 Requirements List

The following general (all components) requirements were made of Data Wizard.

RID	Requirement Name
204	Support for 4-digit cabinet numbers

The following requirements will be resolved in Data Wizard.

RID	Requirement Name
147	Make it easier for the end user (developer) to select the data source in Data-Wizard.
210	More Intuitive Checkboxes
211	Provide Better Display of QueryDef Information
219	Preserve the information of column include buttons on Join operations
2	DW Advance option
5	DW - Append/Update/Delete
153	Data Wizard doesn't show all columns after removing large ones in IceAdmin.
186	Retrieve results of remote SQL select (MRI @FCH)
187	Support for database views
14	Re-enter Calc/ Re-format
26	Add dropdown (point & click) lists for all data sources
145	Make DW JOIN GUI consistent with other functions.
191	Separation of reformat actions and better GUI for each
215	Consider a single entry for Data wizard
195	Handling of large database files
18	Cumulative Services
183	Add Sort function in Data Wizard
185	Stepwise development in Data Wizard
193	Add new column feature
203	Add more navigation buttons in DW
212	Allow Calc on part of a field (like rightmost 18 characters)

The following requirements will be considered in a future level of Data Wizard.

RID	Requirement Name
17	Remote access to 2200 MAPPER Runs
148	"Provide ""Record Count"" button for DW Where"
224	Solve the problem of localization
190	Subtotals without a key (TOT capability)
184	Allow Data Wizard to make runs as well as services
192	Ability to make columns bigger to hold new results
151	Expand DW data sets above 50 columns

The following requirements will not be addressed by Data Wizard.

RID	Requirement Name
19	Special character handling
194	Verify Calculate syntax before execution
213	Allow parameter value returns instead of a table
214	Remove annoyance of moving between ICEAdmin and DataWiz

## 1.2 Source

NFS/UCF	CER	PDP	Other
---------	-----	-----	-------

UCF #	CER #	Project	
-------	-------	---------	--

## 1.3 Requested Functionality

The above requirements have been interpreted into the following list of functionality.

- | FID | Feature Name                      |
|-----|-----------------------------------|
| 92  | Step Edited Methods               |
| 93  | List marked Cool ICE Runs         |
| 94  | Select Source command (Convert)   |
| 95  | Subset Columns from a data source |
| 96  | Calculate command (convert)       |
| 97  | Analyze command (Convert)         |
| 98  | Sort command                      |
| 101 | PartialField command              |
| 103 | Display table or form command     |
| 105 | SetupInsert & InsertRcd command   |
| 106 | SetupUpdate & UpdateRcd command   |
| 107 | SetupDelete & DeleteRcd command   |
| 108 | AddColumn command                 |
| 110 | Updates for graph server changes  |
| 113 | Cool ICE marked run registration  |

The features below will be considered in a future level of Data Wizard.

- | FID | Feature Name                       |
|-----|------------------------------------|
| 104 | CreateTable command                |
| 109 | SaveCurrent command                |
| 99  | ColumnAlias command                |
| 102 | ResizeColumn command               |
| 115 | Cool ICE profiles on named reports |
| 116 | Cool ICE profiles on marked runs   |
| 100 | MoveColumn command                 |

The features below are not planned

- | FID | Feature Name                       |
|-----|------------------------------------|
| 112 | Database registration move to HTML |
| 111 | Restrict by Profiles (Convert)     |
| 114 | Registration of runs and reports   |

## 1.4 Reference Documents

- |  |
|--|
| The source of all requirements was tracked in a separate database under Craig Hanson, the project manager. |
|--|